

CENTRAL FAX CENTER

MAY 15 2006

PATENT

Serial No. 10/511,812

Amendment in Reply to Office Action mailed on February 14, 2006

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A device for recording data on a recording medium which can be written by a recording head unit which produces a recording energy beam, the device comprising:

[[-]] a control assembly for controlling the intensity of the recording beam,

[[-]] a set of measures for supplying control data to said control assembly comprising a measuring circuit for measuring the quality of the recorded signals,

[[-]] a database relating to the medium for supplying previous data to said control assembly,

~~characterized in that wherein~~ the set of measures comprises additional measuring circuits of the recorded signal including a temperature measuring circuit configured to adjust said intensity

PATENT
Serial No. 10/511,812
Amendment in Reply to Office Action mailed on February 14, 2006

based on temperature.

2. (Currently Amended) ~~A~~ The device as claimed in claim 1, ~~characterized in that wherein~~ at least one of the measuring circuit ~~circuits~~ determines parameters through measurements from real-time recording conditions.

3. (Currently Amended) ~~A~~ The device as claimed in claim 1 ~~or 2~~, ~~characterized in that wherein~~ at least one of the measuring circuits is a jitter measuring circuit.

4. (Currently Amended) ~~A~~ The device as claimed in claim 1 ~~or 2 or 3~~, ~~characterized in that at least one of the measuring circuits is a~~, wherein the temperature measuring circuit that operates in real time during recording.

5. (Currently Amended) ~~A~~ The device as claimed in ~~claim 4 claim 1~~, ~~characterized in that wherein~~ the temperature measuring circuit ~~is in the form of~~ includes a circuit for measuring threshold current needed by ~~the~~ a semiconductor laser to ~~which on~~

PATENT
Serial No. 10/511,812
Amendment in Reply to Office Action mailed on February 14, 2006

the light provide said recording energy beam.

6. (Currently Amended) A The device as claimed in claim 1 to 5, ~~characterized in that~~ wherein at least one of the parameters supplied to the ~~control~~ control assembly is related to ~~the~~ a scanning velocity at which ~~the~~ recording take place.

7. (Currently Amended) A The device as claimed in claim 1 ~~or~~ 6, ~~characterized in that~~ wherein at least one of the measuring circuits is a tilt measuring circuit that operates in real time during recording.

8. (Currently Amended) A The device as claimed in ~~one of the~~ claims 1 to 7 claim 1, ~~characterized in that~~ wherein at least part of the database is contained at a location of said medium.

9. (Currently Amended) A The device as claimed in ~~one of the~~ claims 1 to 8, ~~characterized in that~~ claim 1, wherein at least part of the database is contained in ~~one of its~~ a memory ~~circuits~~.

PATENT
Serial No. 10/511,812
Amendment in Reply to Office Action mailed on February 14, 2006

10. (Currently Amended) A ~~The~~ device as claimed in ~~one of the~~
~~claims 1 to 9, characterized in that claim 1, wherein the recording~~
medium is in the form of an optical disc.

11. (Currently Amended) A recording method ~~implemented in a~~
~~device as claimed in one of the claims 1 to 10, characterized in~~
~~that it comprises the following steps comprising the acts of:~~

~~[[-]] insertion inserting of a medium to be recorded into a~~
~~recording device,~~

~~[[-]] identification of identifying the medium,~~

~~[[-]] rejection of rejecting the medium if it is unsuitable~~
for recording,

~~[[-]] test recording test data on the medium based on said~~
~~previous data,~~

~~[[-]] reading of the test recording data,~~

~~[[-]] determining the recording power based on the signal~~
~~levels of the recorded signals from reading the test data,~~

~~[[-]] entering a possible first correction of said recording~~
power as a function of jitter data,

~~[[-]] entering a possible second correction as a function of~~

PATENT

Serial No. 10/511,812

Amendment in Reply to Office Action mailed on February 14, 2006

temperature, scanning speed of the disc. ~~disc, the amount of disc tilt or any other parameter that influences substantially the quality of the recorded data,~~

12. (Currently Amended) A The method as claimed in claim 11, ~~characterized in that the step relating to wherein the entering the second correction act as a function of temperature, scanning speed, or any other parameter is carried out in real time during the recording of data.~~

13. (Currently Amended) A recording medium obtained by the implementation of the method as claimed in ~~one of the claims 11 or 12~~ claim 11.

14. (Currently Amended) A The recording medium as claimed in claim 13, ~~characterized in that it wherein the recording medium is in the form of an optical disc.~~

15. (New) A device for at least one of reading and writing on a recording medium, the device comprising:

PATENT
Serial No. 10/511,812
Amendment in Reply to Office Action mailed on February 14, 2006

a laser source configured to provide a laser beam for said at least one of reading and writing;

a housing configured to house said laser source; and

a control circuit configured to control power of said laser beam as a function of temperature inside said housing.

16.(New) The device of claim 15, wherein said control circuit is further configured to control said power as a function of said temperature by measuring a current that switches on the laser source.

17.(New) The device of claim 15, wherein said control circuit is further configured to control said power as a function of jitter of recovered written data.

18.(New) The device of claim 15, wherein said control circuit is further configured to control said power as a function of a scanning velocity of the recording medium.

19.(New) The device of claim 15, wherein said control circuit

PATENT

Serial No. 10/511,812

Amendment in Reply to Office Action mailed on February 14, 2006

is further configured to control said power as a function of an amount of tilt of the recording medium.